Abstract

It is an object of the present invention to provide a communication terminal that can suppress the deterioration of a gain of an antenna either in an opening state or in a closing state. The communication terminal includes a hinge part for connecting a first casing member (101a) to a second casing member (101b) so as to freely open and close, a second antenna (103b) provided near the hinge part in the second casing member (101b) and a flexible base for connecting together first and second printed circuit boards (116a) and (116b) respectively provided in the first and second casing members (101a) and (101b). The hinge part includes a first rotating shaft serving as an axis when the two casing members (101a) and (101b) rotate in opposed directions and a second rotating shaft serving as an axis upon rotating in a direction perpendicular to the rotating direction by the first rotating shaft. The flexible base is disposed in one end side of the first rotating shaft and a feeding part (103h) of the second antenna (103b) is disposed in the other end side of the first rotating shaft.

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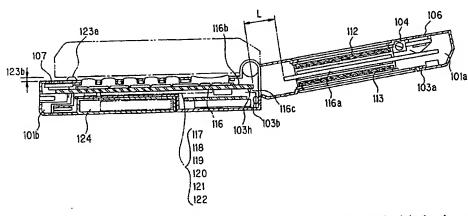
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(54) Title: COMMUNICATION TERMINAL

(54) 発明の名称: 通信端末



(57) Abstract: A communication terminal capable of preventing degradation of antenna gain whether it is closed or opened. The communication terminal comprises a hinge part for coupling a first housing member (101a) with a second housing member (101b) in such a manner that the communication terminal can be closed and opened; a second antenna (103b) provided, near the hinge part, within the second housing member (101b); and a flexible substrate for connecting first and second printed circuit boards (116a,116b) within the second housing member (101b); and a flexible substrate for connecting first and second printed axis that serves as an provided in the first and second housing members (101a,101b), respectively. The hinge part has a first rotational axis that serves as an provided in the first and second housing members (101a,101b) rotate in such a direction that they face each other; and a second rotational axis axis used when the two housing members (101a,101b) rotate in such a direction that they face each other; and a second rotational axis that serves as an axis used when the two housing members (101a,101b) rotate in the direction orthogonal to the rotational direction along the first rotational axis. The flexible substrate is provided at one end of the first rotational axis, and a power supply part (103h) of the second antenna (103b) is provided at the other end of the first rotational axis.

(57) 要約: 本発明の課題は、開閉いずれの状態であっても、アンテナ利得の劣化を防止できる通信端末を提供するこ とである。通信端末は、第1の筐体部材(101a)と第2の筐体部材(101b)とを開閉可能に連結するヒンジ部を有し、第2の 筐体部材(101b)内のヒンジ部近傍に第2アンテナ(103b)を設け、第1及び第2の筐体部材(101a),(101b)にそれぞれ設けら れた第1及び第2プリント基板(116a),(116b)を接続する可撓性基板を設ける。ヒンジ部は、2つの筐体部材(101a),(101b) が対向する方向に回動する際の軸となる第1回動軸と、この第1回動軸による回動方向と直交する方向に回動する際 の軸となる第2回動軸とを有してなる。そ

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DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, HL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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一 国際調査報告書

一 補正書

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